

HIGH STRENGTH AND HIGH DENSITY INTRALUMINAL WIRE STENT1 ABSTRACT OF THE DISCLOSURE:

2 An intraluminally implantable stent is formed of  
3 helically wound wire. The stent has a generally elongate  
4 tubular configuration and is radially expandable after  
5 implantation in a body vessel. The wire includes  
6 successively formed waves along the length of the wire.  
7 When helically wound into a tube, the waves are  
8 longitudinally nested along the longitudinal extent of the  
9 stent so as to form a densely compacted wire configuration.  
10 After radial expansion the stent maintains high radial  
11 compressive strength and wire density to retard tissue  
12 ingrowth.

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